

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
22 February 2001 (22.02.2001)

PCT

(10) International Publication Number
WO 01/12716 A2

(51) International Patent Classification⁷: C08L 25/00

(72) Inventors; and

(21) International Application Number: PCT/US00/22424

(75) Inventors/Applicants (*for US only*): MCMICHAEL, James, W. [US/US]; 426 Southern Oaks Drive, Lake Jackson, TX 77566 (US). MONTANYE, Jeffrey, R. [US/US]; 55 Michelia Court, Lake Jackson, TX 77566 (US). BUNGE, Friedhelm [DE/DE]; Am Bienenbuckel 15, D-77855 Achern (DE). DHODAPKAR, Shrikant, V. [IN/US]; 112 Scarlet Oak, Lake Jackson, TX 77566 (US).

(22) International Filing Date: 16 August 2000 (16.08.2000)

(74) Agent: KRUPP, Stephen, P.; Intellectual Property, B-1211, 2301 Brazosport Boulevard, Freeport, TX 77541 (US).

(25) Filing Language: English

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, YU, ZA, ZW.

(26) Publication Language: English

(84) Designated States (*regional*): AR IPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian

(30) Priority Data:

09/375,856 17 August 1999 (17.08.1999) US

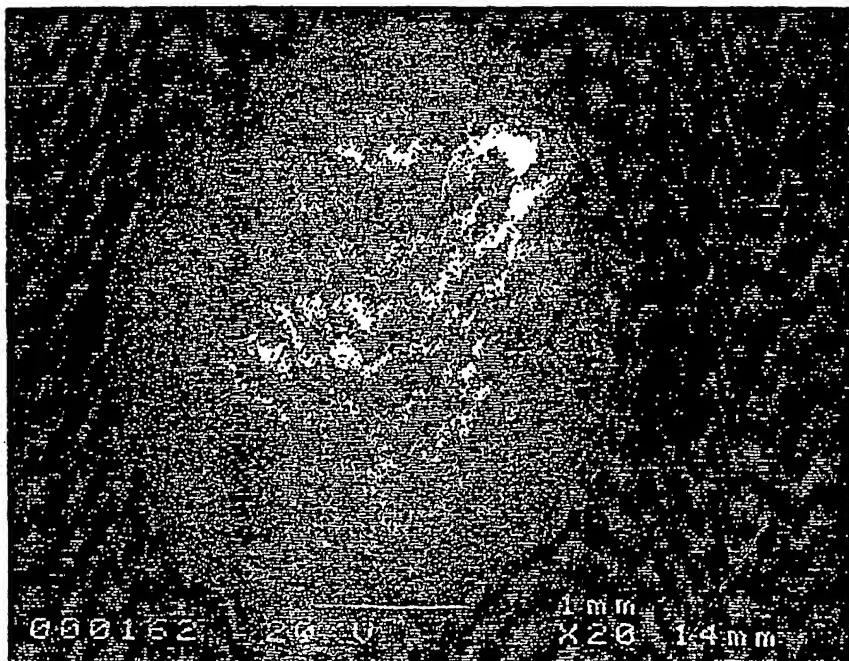
(63) Related by continuation (CON) or continuation-in-part (CIP) to earlier application:

US 09/375,856 (CIP)
Filed on 17 August 1999 (17.08.1999)

(71) Applicant (*for all designated States except US*): THE DOW CHEMICAL COMPANY [US/US]; 2030 Dow Center, Midland, MI 48674 (US).

[Continued on next page]

(54) Title: FREE-FLOWING POLYMER COMPOSITION



WO 01/12716 A2

(57) Abstract: The present invention relates to substantially free-flowing polymer particles. The polymer particles are those which have a one millimeter penetration temperature of less than about 75 °C as determined by thermal mechanical analysis or an unconfined yield strength of greater than about 15 pounds per square foot (73 kilograms per square meter). The composition also comprises an effective amount of an anti-blocking agent in the presence or absence of a binding agent.